ALBUTEROL (Proventil®, Ventolin®)

**Classification:** Bronchodilator (Beta 2 specific)

**Actions:**
1. Relaxes bronchial smooth muscle
2. Decreases airway resistance

**Indications:**
1. Respiratory distress with wheezes/bronchospasm
2. Anaphylaxis with or without shock
3. SOB due to COPD or asthma

**Contraindications:** Known hypersensitivity to Albuterol

**Adverse Effects:**

<table>
<thead>
<tr>
<th>Neurological</th>
<th>Cardiovascular</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tremors</td>
<td>Tachycardia</td>
</tr>
<tr>
<td>Headache/dizziness</td>
<td>Hypertension</td>
</tr>
<tr>
<td>Sweating</td>
<td>Dysrythmias</td>
</tr>
<tr>
<td>Anxiety</td>
<td>Palpitations</td>
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</tbody>
</table>

**Gastrointestinal**
Nausea/vomiting

**Administration:**

**ADULT DOSE**
2.5-5 mg via HHN/mask/BVM with adjunct over 5-10 minutes, repeat as needed

**PEDIATRIC DOSE**
2.5-5 mg via HHN/mask/BVM with adjunct over 5-10 minutes, repeat as needed.

**Onset:** 5-15 minutes

**Duration:** 4-6 hours

**Notes:**
- Beta blocking agents inhibit the effects of Albuterol.
- Albuterol should be administered with oxygen, and be sure to closely monitor the patient’s vital signs and cardiac status.